

00655-1031
Index 975
PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
STEPHEN B. MEMORY et al) REFRIGERATION SYSTEM
Serial No. 10/602,276) Group Art Unit 3744
Filed June 24, 2003) Examiner William E. Tapolcai

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Applicants submit herewith supplemental information of which they are aware which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 C.F.R. 1.56. While this

37 CFR 1.8
CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on December 14, 2004.

Signature: Karen Sanderson

Name: Karen Sanderson

Information Disclosure Statement may be "material" pursuant to 37 C.F.R. 1.56, it is not intended to constitute an admission that any patent, publication or other information referred to herein is "prior art" for this invention unless specifically designated as such. In accordance with 37 C.F.R. 1.97(b), the filing of this Supplemental Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information exists, as defined in 37 C.F.R. 1.56(a).

Submitted herewith is a copy of the International Search Report for a corresponding case listing prior art for consideration by the Examiner, together with a Form PTO-1449 listing the art cited therein, and a copy of each of the items not previously cited is supplied herewith.

Each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application on October 7, 2004, which is not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. §1.97(c)(1) and 37 C.F.R. §1.97(e)(1).

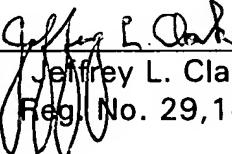
Applicants respectfully request the Examiner to consider each of the references identified in view of the pending claims in the referenced application, al-

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though it is believed that all claims as originally filed delineate over the identified references.

Respectfully submitted,

WOOD, PHILLIPS, KATZ,
CLARK & MORTIMER

By _____

Jeffrey L. Clark
Reg. No. 29,141

December 14, 2004

500 West Madison Street
Suite 3800
Chicago, IL 60661-2511
(312) 876-1800

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Substitute for form 1449A/PTO				Application Number	10/602,276	
				Filing Date	June 24, 2003	
				First Named Inventor	Stephen B. Memory et al	
				Group Art Unit	3744	
				Examiner Name	William E. Tapolcai	
Sheet		1	of	2	Attorney Docket No.	00655-1031

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
		Number Kind Code ² /if known)			
		US- 3,283,524	11-08-1966	Byron	
		US- 3,552,140	01-05-1971	Palmer	
		US- 3,600,904	08-24-1971	Tilney	
		US- 3,938,349	02-17-1976	Ueno	
		US- 2002/0078698	06-27-2002	Leisenheimer et al	
		US- 2002/0157407	10-31-2002	Weng	
		US- 6,681,597	01-27-2004	Yin et al	
		US- 2004/0112073	06-17-2004	Ito et al	
		US-			

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		PCT International Search Report dated October 7, 2004.	✓
		D. BOEWE ET AL, "The Role of Suction Line Heat Exchanger in transcritical R744 Mobile A/C Systems", SAE World Congress, March 1, 1999, pages 1-8, XP-001169088.	✓
		G. HAUNHORT ET AL, "System and Service Components for Carbon Dioxide Air Conditioning Systems Easton Fluid Power, Automotive Fluid Connectors", SAE Automotive Alternate Refrigerant Systems Symposium, July 2002, pages 1-36, XP001169128.	✓
		T. PFAFFEROTT ET AL, "Modelling and transient simulation of CO ₂ -refrigeration systems with Modelica", International Journal of Refrigeration, Oxford, GB, Vol. 27, no. 1, January 2004, pages 42-52, XP004469670.	✓
Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) and application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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<p>Substitute for form 1449A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p><i>(Use as many sheets as necessary)</i></p>				Application Number	10/602,276
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				Group Art Unit	3744
				Examiner Name	William E. Tapolcai
Sheet	2	of	2	Attorney Docket No.	00655-1031

FOREIGN PATENT DOCUMENTS					
Examiner Initials'	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY		
		DE 35 45 013 A1	06-27-2002	Leisenheimer et al	
		WO 03/042605 A1	05-22-2003	Daikon Ind. Ltd.	
		EP 1 445 551	08-11-2004	Daikon Ind. Ltd.	✓
		JP 10-19421 & Patent Abstract of Japan	01-23-1998	Nippon Soken Inc.	✓✓
		JP 6-137719 & Patent Abstract of Japan	05-20-1994	Daikon Ind. Ltd.	✓✓
		DE 1 807 881	06-12-1969	Westinghouse Elec.	
		EP 0 779 481 A2	06-18-1997	Showa Aluminum	✓
		JP 8-5204 & Patent Abstract of Japan	01-12-1996	Mitsubishi Heavy	✓✓
		EP 0 841 487 A2	05-13-1998	Mitsubishi Electric	✓
		JP 10-160293	06-19-1998	Sanyo Electric Co.	✓✓
		EP 0 803 688 A2	10-29-1997	Mitsubishi Electric	✓
Examiner Signature				Date Considered	

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✓✓ Translation of Abstract only.